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1600

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PATENT APPLICATION: US/09/820,003C

DATE: 07/25/2003 TIME: 14:45:29

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Output Set: N:\CRF4\07252003\I820003C.raw

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        PROTEINS, AND USES THEREOF
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13 <141> CURRENT FILING DATE: 2001-03-29
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RAW SEQUENCE LISTING

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					ctaatacaga	_	
192	ggtgtgttgg	ctggcgcctg	taatcccagc	tactcgggag	gctgaggcag	gacaatctct	6120
193	tgaacctcgg	aggtggaggt	tgcagtgagc	cgagatcaca,	ccattgcact	ccagcctggg	6180
194	caacagagca	agacttgtct	caaaaaaaaa	aaaaaaaaa	aaaaaaggc	aattgaaagt	6240
195	gtaatctgaa	cagttaaaaa	agtagataga	aagggttaaa	gcttttttt	gaggatctga	6300
196	agaaaaatgt	ggatttttt	tgagctacgt	tttgaagcag	gcagtgatta	tttcagcaca	6360
					ctgtaattct		
					ctggccaaca		
199	ctgcctctac	taaaaataca	aaaattagct	gggtgtggtg	gtgcacgcct	gtaattccag	6540
200	ctactcagga	acctgaggca	ggagagtcac	ttgaacctgg	gaggcggagg	ctgcagtgag	6600
201	tccagatcat	gccactgcac	tccagcctga	gggacagagt	gagactcctc	aaaaaaaaa	6660
202	aaaaaaaag	aaagaaatac	ttaacattat	tctcgtgatt	attctcataa	catttttcat	6720
203	aatccactgg	cttccagtgg	attttttag	tgtcaagaaa	ataattttga	ttggttcatc	6780
204	tttaaggaat	gtgttaagaa	taaagcatgt	ctacctgtct	tcagtatacc	agctaactat	6840
205	agtaggaaga	aatatagtag	tctacttaga	tcaactataa	ttctttaatg	cagaaaaagt	6900
206	ttaaagtatt	taccttattt	ttagccccca	tccccttaag	tatatcatgg	ctccagaatc	6960

DATE: 07/25/2003

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/820,003C TIME: 14:45:29

Input Set : A:\1196 3RD SUBST SEQLIST 20030718.TXT

Output Set: N:\CRF4\07252003\I820003C.raw

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207 tetgaaaatg ttateagtet tteagaettt getettettt eatgttatae teaagaaaca 7020
   208 tttgaccttt ttttttttt ttttgcttgc attgtgtttc aaataatttt taacaaaact 7080
   209 taagtgtttg aaagtgaaag caggttgtct ttgtgacttt tggtggtggt ttgaaaaact 7140
   210 cagaaaagtt taaagaagaa agataactag tattctcatt gtccagaata tgatttttta 7200
   211 aatgtctata gaatatcacc atctgtaatt cttccggtaa tttaagtatt cagtagttgt 7260
   212 ataaaacctt taaaatatat atattgagaa ttttgtgtga atgagatgat gagataatct 7320
   213 tgtaggatca tttaaagata agaactgagg cctggcacag tggctcatgc ctataatcac 7380
   214 agcactttgg gaggcccagg cggtagatca cctgaggtca ggagtttgag accagcctgg 7440
   215 ccaacatggc aaaaccctgt ctctactaag catagaaaaa ttaattgggt gtggtcgtgc 7500
   216 ctgcgtgtag tcccagctgc ttgggaagct gaggcgggag aatctcttga accctggagg 7560
   217 tgggcattgc agtgagctga gattgcgcca ctgcactcca gcctgggcga cagagcaaga 7620
   218 ctctgtctca aaataaagta aaataaaatg aagataacaa ctgaaatttc acattaaaaa 7680
   219 tttttttgta gcgactgtgc ctcctatgtt gtgcaggctg gtctcaaact cctggcctca 7740
   220 agegateett eeaaageact gggtgggeea eeatgteeag eetgaaattt tgeattaaaa 7800
   221 aattteeege ttttggetgg gegaggtgte teaegeetgt aatageagtt tgggaggeeg 7860
   222 aggcaggcag atcacttgag gtcagttcta gaccggcctg gccaatgtgg tgaaaccctg 7920
   223 cctctactaa aaacaccaaa ttagctaggc gtggtggtgt gcgcttgtag tcccaagcta 7980
   224 ctgaggaggc tgagacaaga gaatcgcttg aatctgggaa aaagaggttg ccgtgagcca 8040
   225 agattggcca ctgcactcca gcctgggtga caqagtgaga ttctgtctca aaaaaataaa 8100
   226 aaataaaaat ttcccccttt aatcaaatta agttaaaatg agggatgtta gacagttttt 8160
   227 aaccatcaaa tattttagtt tagttttttt tttttaacgt tgtcttaaag atggaagtgc 8220
   228 ttcaaaatca aatcttcctt gccagttctc tacttggctt ctttttttt ctttttqaqa 8280
   229 tagagtetea etttgteact ggagtgegtt ggegtgatet eggeteactg caaceteege 8340
   230 cttccaggtt taagtgattc ttccacctca gcctctcaag tagctgggag tacaggtgtg 8400
   231 tgccaccaca cccggctaat ttttgtagtt ttagtagaga cagggtttca ctatgttggc 8460
   232 caggetggcc tcaaactect gacetegtga tccacccace tcagecaaat tgetgggatt 8520
   233 acttgtgtga gccacgcgcc tggcttctac ttggctttta aagggaattt tgctttctga 8580
   234 gtaattttat ttctcaggta tcttggtctt tttaattctg gaagcaatct taataattta 8640
   235 tgtatgtgcc ctgtaatccc agcactttgg gaggccgagg tgggcgaatc acgaggtcag 8700
   236 gagategaga ecateetgge taacaeggtg aaaccecate tactaaaaaat acaaaaaatt 8760
W--> 237 agctgggegt ggtggcagge gcctgtagtc ccagctactt nnnnnnnnn nnnnnnnnn 8820
   255 nnnnnnnnn nnnnnnnnn nnccaggctg gagtgcagtg gcacaatctt ggcttactgc 9900
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/25/2003 PATENT APPLICATION: US/09/820,003C TIME: 14:45:30

Input Set : A:\1196 3RD SUBST SEQLIST 20030718.TXT

Output Set: N:\CRF4\07252003\1820003C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:3; N Pos. 8801,8802,8803,8804,8805,8806,8807,8808,8809,8810,8811,8812
Seq#:3; N Pos. 8813,8814,8815,8816,8817,8818,8819,8820,8821,8822,8823,8824
Seq#:3; N Pos. 8825,8826,8827,8828,8829,8830,8831,8832,8833,8834,8835,8836
Seq#:3; N Pos. 8837,8838,8839,8840,8841,8842,8843,8844,8845,8846,8847,8848
Seq#:3; N Pos. 8849,8850,8851,8852,8853,8854,8855,8856,8857,8858,8859,8860
Seq#:3; N Pos. 8861,8862,8863,8864,8865,8866,8867,8868,8869,8870,8871,8872
Seq#:3; N.Pos. 8873,8874,8875,8876,8877,8878,8879,8880,8881,8882,8883,8884
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Seq#:3; N Pos. 8909,8910,8911,8912,8913,8914,8915,8916,8917,8918,8919,8920
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Seq#:3; N Pos. 8933,8934,8935,8936,8937,8938,8939,8940,8941,8942,8943,8944
Seq#:3; N Pos. 8945,8946,8947,8948,8949,8950,8951,8952,8953,8954,8955,8956
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Seq#:3; N Pos. 8969,8970,8971,8972,8973,8974,8975,8976,8977,8978,8979,8980
Seq#:3; N Pos. 8981,8982,8983,8984,8985,8986,8987,8988,8989,8990,8991,8992
Seq#:3; N Pos. 8993,8994,8995,8996,8997,8998,8999,9000,9001,9002,9003,9004
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Seq#:3; N Pos. 9017,9018,9019,9020,9021,9022,9023,9024,9025,9026,9027,9028
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Seq#:3; N Pos. 9089,9090,9091,9092,9093,9094,9095,9096,9097,9098,9099,9100
Seq#:3; N Pos. 9101,9102,9103,9104,9105,9106,9107,9108,9109,9110,9111,9112
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Seq#:3; N Pos. 9125,9126,9127,9128,9129,9130,9131,9132,9133,9134,9135,9136
Seq#:3; N Pos. 9137,9138,9139,9140,9141,9142,9143,9144,9145,9146,9147,9148
Seq#:3; N Pos. 9149,9150,9151,9152,9153,9154,9155,9156,9157,9158,9159,9160
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Seq#:3; N Pos. 9209,9210,9211,9212,9213,9214,9215,9216,9217,9218,9219,9220
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Seq#:3; N Pos. 9245,9246,9247,9248,9249,9250,9251,9252,9253,9254,9255,9256
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Seq#:3; N Pos. 9269,9270,9271,9272,9273,9274,9275,9276,9277,9278,9279,9280
Seq#:3; N Pos. 9281,9282,9283,9284,9285,9286,9287,9288,9289,9290,9291,9292
Seq#:3; N Pos. 9293,9294,9295,9296,9297,9298,9299,9300,9301,9302,9303,9304
Seq#:3; N Pos. 9305,9306,9307,9308,9309,9310,9311,9312,9313,9314,9315,9316
Seq#:3; N Pos. 9317,9318,9319,9320,9321,9322,9323,9324,9325,9326,9327,9328
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RAW SEQUENCE LISTING ERROR SUMMARY

PATENT APPLICATION: US/09/820,003C

DATE: 07/25/2003 TIME: 14:45:30

Input Set : A:\1196 3RD SUBST SEQLIST 20030718.TXT

Output Set: N:\CRF4\07252003\I820003C.raw

Seq#:3; N Pos. 9329,9330,9331,9332,9333,9334,9335,9336,9337,9338,9339,9340
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/820,003C

DATE: 07/25/2003 TIME: 14:45:30

Input Set : A:\1196 3RD SUBST SEQLIST 20030718.TXT

Output Set: N:\CRF4\07252003\1820003C.raw

L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:8760

M:341 Repeated in SeqNo=3

L:1509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0

L:1534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0

L:1549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0 L:1564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0